AJAY YADAV

Software Engineer/Manager

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Summary
My passion is building extraordinary engineering teams, planning a strategic vision to ensure their success, and seeking out innovative solutions to overcome roadblocks and increase efficiency.

Employment

Teradata, Rancho Bernardo, CA
March 2017 – Present

Software Development Manager/ Scrum Master – NodeJS,Docker,Kubernates, Scrum Process
Started KubeOS project to help other apps to be able to use configured k8s instance *Created a project and process to be able to provide k8s rpm for other app developers to use *Successfully running multiple projects as scrum master in devops organization *Participate in cross functional teams for their backlog creation and D2D releases *Lead the build automation team that provides image pipeline for TD PUT
Responsibilities: ❶ Project Lead ❷ Scrum Master

Everyone Counts, La Jolla, CA
March 2016 – March 2017

Engineering Manager/ Project Lead – NodeJS,Docker,Kubernates
* Responsible of execution and performance of a $35M portfolio. $22M more in pipeline. * Architect a solution for voter checkin system for elections * Architected a scalable solution for over 25 million voters and 9000 concurrent connections (poll books) * Developed in node.js with loopback APIs, nosql database, and angular UI * Deployed with Docker containers with Kubernates clusters * Responsible for a team of 8-10 for their career development and for execution of project * Performed as advisor on RFIs and RFPs
Responsibilities: ❶ Project Lead ❷ Functional Management ❸ Architect ❹ Scrum Master ❺ IPT Lead ❻ Hiring & Mentoring Interns

Northrop Grumman, San Diego, CA
2009 – March, 2016

Engineering Manager/ Program Manager – EVMS,Scrum,IA
* Responsible for engineering execution and performance of a ~$20M portfolio * Skill center manager for 25 engineers responsible for career development, salary planning and performance reviews * Promoting good engineering practices, and supporting programs by placing the right person in the right job * Define business unit strategy, multi-year plans, and technical roadmaps * Manage sub-contracts for products, services, and labor * Lead capture teams to bring in new business * Implemented Scrum process with EVMS * Performed role as Scrum master for a team of 20 software engineers (Ran Scrum of Scrums) * Implemented Scrum process for agile development and completed the project in 6 months instead of 9 * As a CAM, I planned the entire software development project and planned the budget and resources. * Implemented STIGs(Secure Technical Implementation Guideline) for IA(Information Assurance) part for the software. * Implemented code review process with choosing a new tool via in-depth trade study
Responsibilities: ❶ Functional Management ❷ Project Management ❸ Control Account Manager (CAM) ❹ Scrum Master ❺ IPT Lead

Rockwell Collins, San Diego, CA
2007 – 2009

Software Engineer – C++,Link16,VMF
* Responsible to develop software to create, transmit and receive VMF, Link16 and TADILJ messages * Developed and produced Link16 data relay capability over PCIDM card with PRC-117 radio * Deified requirements, schedules, and estimates for software development * Developed software that satisfies military standard (MIL-STD) requirements * Implemented Scrum process for software development and performed role as Scrum master for 4 teams of 6 to 8 software engineers.
Responsibilities: ❶ C++ & Java Application Development ❷ Scrum Master ❸ IPT Lead ❹ Mentoring Interns

Northrop Grumman, San Diego, CA
2006 – 2007

Software Engineer – C++,Link16,Link11,MIDS,SADL
* Development of software that connects, transmits and receives data over tactical data link * Developed and produced Link16 data relay capability for KC-135 aircraft * Responsible to forward intelligent messages to Link 11/16 network * Developed software that adds remote control capabilities to host system of MIDS-LVT, ARC-210 and SADL terminals * Developed software that satisfies military standard (MIL-STD) requirements * Proficient Understanding of DO-178B avionics standard, which is required if target aircraft flies in commercial U.S. airspace * Lead team of engineers and interns to develop solution for one of the Link16 terminals
Responsibilities: ❶ C++ Application Development ❷ Software Team Lead

ProtoQwik Inc., San Diego, CA
2003 – 2006

Software Programmer/CAM(Computer Aided Manufacturing) Engineer – Java,C#,C++,Javascript
* Completion of all cam work and film tool creation * Responsible for creating complex route programs (NC programming) * Maintained all daily computer related issues * Integrated software automation where needed
Responsibilities: ❶ Manufacturing PCBs ❷ Java & C# Application Development

Moore Printed Circuits, San Diego, CA
1998 – 2003

Software Programmer/CAM(Computer Aided Manufacturing) Engineer – Java,C#,C++,Javascript
Responsibilities: ❶ Manufacturing PCBs ❷ Java & C# Application Development

Education

Master of Science
Computer Science

National University
Subjects:
Software Eng Fundamentals, Software Architecture Principles, Database Design and Implmentation, Web and Cloud Computing, Modern Operating Systems, Security in Computing, CSC 686 Computer Science Project I, CSC 687 Computer Science Project II, Specialization in advanced computing and CAPSTONE project (Android app for Netflix queuing system)

Bachelor of Science
Computer Science

San Diego State University
Subjects:
Discrete Mathematics,Programming in Java,C++ & C,Database Management Systems,Object-Oriented Systems Analysis & Design, Data Communications and Computer Networks,Operating Systems, Machine Learning,Pattern Recognition, Algorithms & Data Structures,Computer Graphics,Computer Architecture,Managerial Accounting,Concrete Mathematics.

Skills

■ Proficient

C/C++ 65% | Java 65% | VMF 40% | EVMS 50% | Link16 40% | STIG 80% | SCRUM 80% | NoSQL 60% | Node.js 60% | 40% | 40%

Interests

</> Coding   ▣ 3D Modeling   ◉ Sketching   Ⓦ Blogging   JS NodeJS